

Phosphetal OAX

Safety Data Sheet

according to 29 CFR 1910.1200/ HazCom 2012 and Regulation (EC) No. 1907/2006

Date of Issue: 4/10/2017 Revision Date: - Version: 1.0



ZSCHIMMER & SCHWARZ

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product name: Phosphetal OAX
Synonyms: Polyethylene glycol mono-oleyl ether phosphate
CAS (EC) No.: 39464-69-2 (POLYMER)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture: Surfactant
Uses advised against: None known

1.3 Details of the supplier of the safety data sheet

Zschimmer and Schwarz, Inc.
70 GA Hwy, 22 W
Milledgeville, GA 31061
Phone: (478) 454-1942
Fax: (478) 453-8854

1.4 Emergency telephone number

Emergency number: CHEMTREC: (800) 424-9300

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition: Mixture

Classification (GHS-US and Regulation (EC) No. 1272/2008)

Serious eye damage/irritation, Category 1 H318: Causes serious eye damage
Skin corrosion/irritation, Category 2 H315: Causes skin irritation

2.2 Label Elements

Labeling (GHS-US and Regulation (EC) No. 1272/2008)

Hazard pictograms:



Signal Word:

DANGER!

Hazard statements:

H318: Causes serious eye damage
H315: Causes skin irritation

Precautionary statements:

P264: Wash thoroughly after handling.
P280: Wear protective gloves/eye protection/face protection.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P310: Immediately call a POISON CENTER/doctor.
P302+352: IF ON SKIN: Wash with plenty of soap and water.
P332+313: If skin irritation occurs: Get medical advice/attention.
P362+364: Take off contaminated clothing and wash it before reuse.



Phosphetal OAX

Safety Data Sheet according to 29 CFR 1910.1200/ HazCom 2012 and Regulation (EC) No. 1907/2006

Section 3 – Composition/information on ingredients

3.1 Substance

Not applicable, product is a mixture.

3.2 Mixture

Chemical nature: Ethoxylated alcohol phosphate

Hazardous components

Chemical Name	CAS No. (EC No.)	Concentration
Poly(oxy-1,2-ethanediyl), α -(9Z)-9-octadecenyl- ω -hydroxy-, phosphate	39464-69-2 (POLYMER)	> 85%
Poly(oxy-1,2-ethanediyl), α -(9Z)-9-octadecenyl- ω -hydroxy-	9004-98-2 (500-016-2)	< 10%
Phosphoric acid	7664-38-2 (231-633-2)	< 3%

This is not intended to be a complete compositional disclosure. See Section 8 for Exposure Limits, if any.

Section 4 - First aid measures

4.1 Description of first aid measures

- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, get medical attention.
- Skin Contact:** Rinse with copious amounts of water. Remove contaminated clothing and shoes. If a rash or skin irritation occurs, contact a physician.
- Eye Contact:** Flush with copious amounts of water for at least 15 minutes, lifting eyelids for maximum effectiveness. Get immediate medical attention.
- Ingestion:** If swallowed, rinse mouth with water. Do NOT induce vomiting. Consult a physician/poison control center immediately. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Potential health symptoms and effects

- Inhalation:** May cause irritation and/or burns of the respiratory tract.
- Skin:** Causes skin irritation.
- Eyes:** Causes serious eye damage. Irreversible eye damage is possible.
- Ingestion:** May cause burns to the mouth, esophagus, and stomach. May cause gastrointestinal distress.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

Section 5 - Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water spray, dry chemical, alcohol foam, or carbon dioxide.

Unsuitable extinguishing media: Water jet.

5.2 Special hazards arising from the substance or mixture

Closed containers may explode due to the buildup of pressure when exposed to extreme heat. Under fire conditions, product may undergo thermal decomposition and emit toxic fumes of CO_x and PO_x.

5.3 Advice for firefighters



Phosphetal OAX

Safety Data Sheet according to 29 CFR 1910.1200/ HazCom 2012 and Regulation (EC) No. 1907/2006

Full protective equipment including self-contained breathing apparatus and protective clothing should be used. Water may be used to cool containers to prevent pressure buildup and possible rupture when exposed to extreme heat. If possible, water contaminated by this material should be contained and prevented from being discharged to any waterway, sewer, or drain to avoid environmental contamination.

Section 6 - Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Wear protective gloves, eye protection, and face protection. Keep people away from and upwind of spill/leak. Ensure adequate ventilation, especially in confined areas.

6.2 Environmental precautions

Avoid dispersal of spilled material or runoff and prevent contact with soil and entry into drains, sewers, and waterways.

6.3 Methods and materials for containment and cleaning up

Cover drains and contain spill. Use neutralizing agent and take up with inert absorbent material (e.g. vermiculite, general purpose binder). Shovel or sweep up product and place into an approved container for proper disposal. Dispose of absorbed material in accordance with local, state and federal regulations.

6.4 Reference to other sections

See section 13 for any additional waste treatment or disposal information.

Section 7 - Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Wear protective gloves, eye protection, and face protection. Keep people away from and upwind of spill/leak. Ensure adequate ventilation, especially in confined areas. Wash contaminated clothing and shoes before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, and well-ventilated area away from incompatible materials (see Section 10.5). Do not store in light metal containers. Store in a corrosive resistant container with a resistant inner liner. Keep container tightly closed. Protect containers from physical damage. Containers may be hazardous when empty as they contain product residues.

7.3 Specific end uses

Apart from uses mentioned in Section 1.2, no other uses are specified.

Section 8 - Exposure controls/personal protection

8.1 Control parameters

Component (CAS No.)	Basis	Type	Value	Remarks
Phosphoric acid (7664-38-2)	ACGIH	TWA	1 mg/m ³	-
	OSHA	TWA	1 mg/m ³	-

8.2 Exposure Controls

Engineering Measures:

Safety measures and appropriate working conditions should be given priority, with use of personal protective equipment a secondary measure. Use adequate ventilation to reduce the exposure of mists or vapors. Facility should be equipped with an eyewash station and safety shower.

Hygiene Measures:

Avoid contact with eyes or skin. Wash hands thoroughly after use and before eating, drinking or bathroom use.

Personal Protective Equipment (PPE):

Hand Protection:

Wear gloves recommended by glove supplier as impervious to materials in Section 3.

Eye Protection:

Wear protective goggles or safety glasses with side shields and/or full face shield.



Phosphetal OAX

Safety Data Sheet according to 29 CFR 1910.1200/ HazCom 2012 and Regulation (EC) No. 1907/2006

Skin Protection:

Wear protective clothing.

Respiratory Protection:

If ventilation is limited or use may generate aerosols or mists, use full-face respirator with multi-purpose cartridges.

Section 9 - Physical and chemical properties

9.1 Information of basic physical and chemical properties

Form and Appearance:	Amber liquid	Odor:	Characteristic
pH:	< 2 @ 5%	Odor Threshold:	N/D
Boiling Point:	N/D	Melting/Freezing point:	~50°F (10°C)
Vapor Pressure:	N/D	Vapor Density (Air=1):	N/D
Flash Point:	~300°F (149°C)	Evaporation Rate:	N/D
UEL:	N/D	LEL:	N/D
Viscosity:	N/D	Solubility in Water:	Dispersible
Octanol/Water Partition Coefficient:	N/D	Specific Gravity/Bulk Density:	~ 1.03 @ 25°C
Auto-ignition temperature:	N/D	Decomposition Temperature:	N/D
Volatile content:	N/D	VOC Data:	N/D

9.2 Other information

No data available.

Section 10 - Stability and reactivity

10.1 Reactivity

Exothermic reaction occurs when mixed with oxidizers, bases, and alkaline materials.

10.2 Chemical stability

Product is stable under ordinary conditions of use and storage.

10.3 Possibility of hazardous reactions

Will not occur under ordinary conditions of use and storage.

10.4 Conditions to avoid

Extreme temperatures, contact with incompatible materials.

10.5 Incompatible materials

Strong bases, strong oxidizers, strong alkaline materials, light metals.

10.6 Hazardous decomposition products

Thermal decomposition may produce toxic fumes of phosphine, CO_x and PO_x.

Section 11 - Toxicological information

11.1 Information on toxicological effects

Acute Oral Toxicity

LD50, rat: >2,000 mg/kg

Acute Inhalation Toxicity

Phosphetal OAX

Safety Data Sheet according to 29 CFR 1910.1200/ HazCom 2012 and Regulation (EC) No. 1907/2006

No data available

Acute Dermal Toxicity

No data available

Skin Irritation/Corrosion

Irritating.

Eye Irritation/Corrosion

Severely irritating.

Sensitization

No effects known

Genotoxicity in Vitro

No data available

Mutagenicity

No data available

Specific Target Organ Toxicity – Single Exposure

No data available

Specific Target Organ Toxicity – Repeated Exposure

No data available

Aspiration Hazard

No effects known

11.2 Further Information

This material is not listed as a carcinogen by IARC, ACGIH, NTP, or OSHA. No data is available regarding the mutagenicity or teratogenicity of this material in humans, nor is there available data that indicates that it causes adverse development or fertility effects in humans. Handle in accordance with good industrial hygiene and safety practice.

Section 12 - Ecological information

12.1 Toxicity

Acute and Chronic Aquatic Toxicity: NDA Release of large quantities may cause adverse effect in the aquatic compartment.

12.2 Persistence and Degradability

Inherently biodegradable.

12.3 Bioaccumulation Potential

No data available

12.4 Mobility in Soil

No data available

12.5 Results of PBT and vPvB Assessment

No data available

12.6 Other Adverse Effects

Do not allow material to run into surface waters, wastewater, or soil.

Phosphetal OAX

Safety Data Sheet according to 29 CFR 1910.1200/ HazCom 2012 and Regulation (EC) No. 1907/2006

Section 13 - Disposal considerations

13.1 Waste treatment methods

- Methods of disposal:** Discarded product, as sold, would be considered a RCRA Characteristic Hazardous Waste as it meets the definition /characteristic of corrosivity (designated as D002). Local, state, provincial and national disposal regulations may be more or less stringent. Contact a licensed professional waste disposal service to dispose of this material.
- Hazardous waste:** This material, as sold, is considered a hazardous waste under RCRA 40 CFR 261.

Section 14 - Transport regulations

Land Transport (DOT, ADR/RID)

- | | |
|--|---|
| 14.1 UN number | 3265 |
| 14.2 Dangerous Good description | Corrosive liquid, acidic, organic, n.o.s. (contains organic phosphate esters) |
| 14.3 Transport hazard class | 8 |
| 14.4 Packing group | |
| Packing group | III |
| Classification code | - |
| Hazard Identification number | 80 |
| Label(s) | 8 (Corrosive) |
| Tunnel restriction code | (E) |
| 14.5 Environmental hazards | None |
| 14.6 Special precautions for user | None |

Air Transport (IATA/ICAO)

- | | |
|--|---|
| 14.1 UN number | 3265 |
| 14.2 Dangerous Good description | Corrosive liquid, acidic, organic, n.o.s. (contains organic phosphate esters) |
| 14.3 Transport hazard class | 8 |
| 14.4 Packing group | |
| Packing group | III |
| Label(s) | 8 (Corrosive) |
| Packing instruction | |
| 14.5 Environmental hazards | None |
| 14.6 Special precautions for user | None |

Marine Transport (IMDG)

- | | |
|--|---|
| 14.1 UN number | 3265 |
| 14.2 Dangerous Good description | Corrosive liquid, acidic, organic, n.o.s. (contains organic phosphate esters) |
| 14.3 Transport hazard class | 8 |
| 14.4 Packing group | |
| Packing group | III |
| Label(s) | 8 (Corrosive) |
| EmS | F-A, S-B |
| 14.5 Environmental hazards | None |
| 14.6 Special precautions for user | None |



Phosphetal OAX

Safety Data Sheet according to 29 CFR 1910.1200/ HazCom 2012 and Regulation (EC) No. 1907/2006

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

Section 15 - Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

U.S. Federal Regulations

SARA 311/312 Hazards	Acute Health Hazard
SARA 302/304 (TPQ/RQ)	No components listed
SARA 313	No components listed
CERCLA (RQ)	Phosphoric acid – 7664-38-2 (5000 lbs)
CAA 112(b) HAPS	No components listed

U.S. State Regulations

California Prop. 65	Ethylene Oxide	(75-21-8) (trace amounts, if any)
	1,4-Dioxane	(123-91-1) (trace amounts, if any)
State RTK/HSL Information	Phosphoric acid	(7664-38-2)
	Ethylene Oxide	(75-21-8) (trace amounts, if any)
	1,4-Dioxane	(123-91-1) (trace amounts, if any)

International Regulations

Water contaminating class (Germany): WGK 1 – slightly water endangering

Chemical Inventory Listing

United States (TSCA)	Listed or exempt.
European Union (EINECS/ELINCS/NLP)	Listed or exempt
Australia (AICS)	Listed or exempt
Philippines (PICCS)	Listed or exempt
Canada (DSL/NDSL)	Listed or exempt
Korea (KECL)	Listed or exempt
Japan (ENCS/ISHL)	Listed or exempt
China (IECSC)	Listed or exempt
New Zealand (NZIoC)	Listed or exempt

Section 16 – Additional information

Date of latest revision: 4/10/2017

Key to Abbreviations:

N/D - Not determined N/A - Not applicable N/E - Not established

The information presented in this safety data sheet (SDS) was prepared by technical personnel based on data that they believe in their good faith judgment is accurate. However, the information provided herein is provided "as is," and Zschimmer & Schwarz, Inc. makes and gives no representations or warranties whatsoever, and expressly disclaims all warranties regarding such information and the product to which it relates, whether express, implied, or statutory, including without limitation, warranties of accuracy, completeness, merchantability, non-infringement, performance, safety, suitability, stability, and fitness for a particular purpose, and any warranties arising from course of dealing, course of performance, or usage of trade. This SDS is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product, and is not intended to be comprehensive as to the manner and conditions of use, handling, storage, or disposal of the product. Individuals receiving this SDS must always exercise their own independent judgment in determining the appropriateness of such issues. Accordingly, Zschimmer & Schwarz, Inc. assumes no liability whatsoever for the use or reliance upon this information. No suggestions for use are intended as, and nothing herein shall be construed as, a recommendation to infringe any existing patents or to violate any federal, state, local, or foreign laws. Zschimmer & Schwarz, Inc. reminds you that it is your legal duty to make all information in this SDS available to your employees. Existing acts and regulations must be observed by the recipient of our products under their own responsibility.

